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Date of Deposit: August 5, 2003

Our Case No.: 2003P11250US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

John A. Hossack et al.

Serial No.: To Be Assigned

Filing Date: Herewith

For: METHOD AND SYSTEM FOR
REDUCING UNDESIRABLE
CROSS TALK IN DIAGNOSTIC
ULTRASOUND ARRAYS

Examiner: To Be Assigned

Group Art Unit No.: To Be Assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

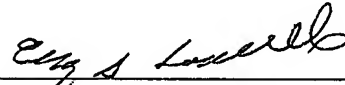
In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Craig A. Summerfield
Registration No. 37,947
Attorney for Applicants

BRINKS HOFER GILSON & LIONE
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Chicago, IL 60610
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FORM PTO-1449	SERIAL NO. To Be Assigned	CASE NO. 2003P11250US
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE Herewith	GROUP ART UNIT To Be Assigned
(use several sheets if necessary)	APPLICANT(S): John A. Hossack et al.	

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,413,520	11/08/1983	Murakami et al.		
	A2	4,801,835	01/31/1989	Nakaya et al.		
	A3	4,960,320	10/02/1990	Taniura		
	A4	4,984,465	01/15/1991	Piel, Jr. et al.		
	A5	5,105,666	04/21/1992	Steinacher		
	A6	5,160,870	11/03/1992	Carson et al.		
	A7	5,167,231	12/01/1992	Matsui		
	A8	5,175,709	12/29/1992	Slayton et al.		
	A9	5,241,209	08/31/1993	Sasaki		
	A10	5,296,777	03/22/1994	Mine et al.		
	A11	5,406,163	04/11/1995	Carson et al.		
	A12	5,962,790	10/05/1999	Lynnworth et al.		
	A13	6,359,375	03/19/2002	Guo et al.		

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.)</small>	
	A14	"3D Simulation of Controlled Micromachined Capacitive Ultrasound Transducers," by M. Kaltenbacher, H. Landes, K. Neiderer, and R. Lerch at the University of Erlangen, Germany; 1999 IEEE Ultrasonics Symposium; pgs. 1155-1158.
	A15	"A New Vibration Mode in Tall, Narrow Piezoelectric Elements," by John D. Larson at H-P Laboratories, Hewlett-Packard Company; 1979 IEEE Ultrasonics Symposium; pgs. 108-113.
	A16	"Investigation of Cross-Coupling in 1-3 Piezocomposite Arrays," by D. Certon, N. Felix, Student Member, IEEE, E. Lacase, F. Teston, and F. Patat; IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Vol. 48, No. 1; dated January 2001; pgs. 85-92.
	A17	"Radiation Pattern Distortion Caused by the Interelement Coupling in Linear Array Transducers," by N. Lamberti; 1999 IEEE Ultrasonics Symposium; pgs. 1071-1075.
	A18	"Non-Ideal Radiators in Phased Array Transducers," by J. D. Larson at Hewlett-Packard Laboratories; 1981 Ultrasonics Symposium; pgs. 673-684.
	A19	"Crosstalk Reduction With a Micromachined Diaphragm Structure for Integrated Ultrasound Transducer Arrays," by J.H. Mo, Student Member, IEEE, J. Brian Fowlkes, A. L. Roginson, Member, IEEE, and P. L. Carson; 1992 IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Vol. 39, No. 1; dated January 1992; pgs. 48-53.
	A20	"Cross-Talk Paths in Array Transducers," by J.F. Guess, C.G. Oakley, S.J. Douglas and R.D. Morgan; 1995 IEEE Ultrasonics Symposium; pgs. 1279-1282.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
	A21	"Crosscoupling Analysis for Wideband Arrays," by R. Johnson; 1995 IEEE Ultrasonics Symposium; pgs. 1349-1352.
	A22	"Time-Domain Modeling of Composite Arrays for Underwater Imaging," by G. L. Wojcik, D.K. Vaughan, V. Murray, and J. Mould Jr.; 1994 Ultrasonics Symposium; pgs. 1027-1032.
	A23	"Evaluation of Laser Probe Performances for Measuring Cross-Coupling in 1-3 Piezocomposite Arrays," by D. Certon, N. Felix, L. Pascal, T.H. Hue, F. Patat, and M. Lethiecq; 1999 IEEE Ultrasonics Symposium; pgs. 1091-1094.
	A24	"Theory for Cross-Coupling," by G.S. Kino and R. Bear; 1983 Ultrasonics Symposium; pgs. 1013-1019.
	A25	"Radiation from Finite Phased and Focused Linear Array Including Interaction," by J. Assaad and C. Bruneel; 1997 Acoustical Society of America; Received May 1, 1996 and accepted October 27, 1996; pgs. 1859-1867.
	A26	"3D Simulation of Controlled Micromachined Capacitive Ultrasound Transducers," by M. Kaltenbacher, H. Landes, K. Nieder, and R. Lerch; 1999 IEEE Ultrasonics Symposium; pgs 1155-1158.
	A27	"Time-Domain Models of MUT Array Cross-Talk in Silicon Substrates," by G. Wojcik, J. Mould, and P. Reynolds A. Fitzgerald, P. Wagner, and Igal Ladabaum; 2000 IEEE Ultrasonics Symposium.
	A28	"Experimental Investigation of Cross-Coupling and its Influence on the Elementary Radiation Pattern in 1D Ultrasound Arrays," by N. Felix, D. Ceron, E. Lacaze, M. Lethiecq, and F. Patat; 1999 IEEE Ultrasonics Symposium; pgs. 1053-1056.
	A29	"An Experimental Investigation of the Cross-Coupling Between Elements of an Acoustic Imaging Array Transducer," by J. Fleming Dias; 1982 by Academic Press, Inc.; Ultrasonic Imaging Vol. 4, pgs. 44-55 (1982)3
	A30	"Silicon Substrate Ringing in Microfabricated Ultrasonic Transducers," by Igal Ladabaum P. Wagner, C. Zanelli, J Mould, P. Reynolds, and G. Wojcik; 2000 IEEE Ultrasonics Symposium.
	A31	"Prediction and Measurement of Cross-Talk Effects in a Periodic Linear Array Built Using Ultrasound Micormachining," by S. Ballandras, P.F. Edona, F. Langrognet, W. Steichem, and G. Perre; 2000 IEEE Ultrasonics Symposium.

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